

ODP-81-723

SAF-E392-81

8 June 1981

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MEMORANDUM FOR: Distribution

FROM :
Director, Consolidated SAFE Project Office/ODP

SUBJECT : SAFE Monthly Status Report for April 1981

Attached is the SAFE Project Monthly Status Report for
April 1981.



Attachment: As stated

Distribution:

- 1 - DDA/CIA
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- 1 - ODP Registry
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Consolidated SAFE Project
Monthly Status Report
April 1981

1. ACCOMPLISHMENTS AGAINST PLAN

On 23 April 1981, TRW conducted an internal project audit. The audit was conducted in response to Consolidated SAFE Project Office (CSPO) criticism to TRW Division-level management of the results of the Preliminary Detailed Design Review (PDR) and the Block 1-Increment 1 Detailed Design Review (DDR)/Block 1-Increment 2 Initial Design Review (IDR) held in late March 1981. The audit findings established that unless corrective action was undertaken, Block 1 IOC would incur a three to six month slip. The CSPO is now participating with TRW in the planning for schedule recovery. There has been no assessment as to the impact on future blocks (2,3,4) to date. TRW has also requested additional funding for FY-81 (See Issues and Problems).

Areas of accomplishment during April were:

- o Systems Engineering -- The emphasis in Systems Engineering during April was in support of Block 1 performance evaluation and Block 3 design. System Engineering also worked to resolve remaining technical issues affecting the release of the blocked version of the System Requirements Specification.
- o Subsystems Development -- As a result of deficiencies and weaknesses in documentation made apparent at the PDR, the Block 1 Project Office established several teams to attack the critical areas creating the deficiencies. The teams are headed by the Block 1 technical leaders and supported by representatives of each subproject area. The teams were assigned to the following areas: architecture, threads, development standards, documentation, test bed, user interface, and support software.

Block 3 development activities continued to address the resolution of issues driving the evolving SAFE D system design. TRW met with Government personnel to discuss the current status of the DoDIIS-SAFE interface definition. Topics included: protocol documentation, functional capability, Delta Data terminal dependencies in the SAFE user language, the SAFE-DoDIIS-COINS relationship, and the projected impact of extended wideband communications on the DoDIIS interface.

- o Communications -- The focus of the communications effort was on development of both the Bus Interface Unit (BIU) and the Processor Interface Unit (PIU). Both development efforts have fallen slightly behind schedule. The PIU design, being done by Burroughs, has been delayed by several major development issues which have been defined by TRW and Burroughs. The two contractors are now working to resolve these issues. The PIU PDR is now scheduled for late June 1981. Firmware development difficulties are the major cause of the BIU schedule delay. Extra effort is being applied to deal with this situation. The installation of the coaxial cable in the CIA Headquarters Building is nearing completion. It is expected to be completed in early June.
- o ADPE/Materiel -- The installation in the Development Facility (DF) of a fourth Burroughs B6900 midi-computer was completed on schedule. This completed the first phase of computer installations at the DF. The Burroughs interim Inter-Computer Communications (ICC) subsystem hardware was installed. However, delivery of ICC software, developed by Burroughs, proved to be defective and could not be used even on an exploratory basis. Thus, there is a delay from the original schedule target of March 1981 to late May 1981. As of April, 21 of 50 Government furnished Delta Data terminals were connected to Burroughs equipment in the DF. A Burroughs B6900 is scheduled for installation at the CIA Headquarters Building in September 1981.

2. ACTIVITIES PLANNED FOR MAY 1981

During May, project management attention will focus on developing plans for actions to be taken in an attempt to effect schedule recovery. The CSPO will be participating in this effort. The specialized Block 1 Project Office teams will continue to focus their efforts in the critical areas as defined in the TRW audit report. Block 3 efforts will center on preparations for the second Conversion Requirements Review to be held in early June.

In the communications area, attention will be focused on development of the BIU and PIU. Acceptance testing of the fourth Burroughs B6900 computer in the DF will be completed.

3. RELATED ACTIVITIES

- A. Visit to Burroughs - [REDACTED]
[REDACTED] traveled to Burroughs Federal and Special Systems Group Headquarters in Paoli,

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Pennsylvania, on 15 April. The purpose of the visit was to discuss the Government-TRW-Burroughs relationship under the SAFE contract.

- B. Burroughs Training - On 27 and 28 April a Burroughs subcontractor gave a course on ALGOL and Extended ALGOL to CSPO personnel. ALGOL is the standard program language for Burroughs systems.
- C. COTR Reassigned - [] SAFE Contracting Officer's Technical Representative (COTR) was appointed to the CIA's Information Systems Architect Office effective 1 June 1981. His replacement has not yet been named.

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4. ISSUES AND PROBLEMS

- A. TRW Audit - Copies of the internal TRW project audit conducted on 23 April 1981 have been distributed to SAFE Steering Committee members.
- B. Funding - TRW has been requested to provide additional details concerning their request for additional funding for FY-81. The CSPO will analyze the funding request when these details are received.

5. MILESTONES

Conversion Requirements Review II	8-10 June 1981
Block 3 in Progress Review (IPR)	29 June-3 Jul 1981
Block 1 Detailed Design Review (Increment 2)	3-7 August 1981
Block 1 Initial Design Review (Increment 3)	3-7 August 1981
Communications Critical Design Review (CDR)	17-19 August 1981
First Delivery of Burroughs Hardware to CIA	Mid-September 1981

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

SAFE April Statuses Rpt.

FROM:

D/ODP/DDA
2-D-00 HQS. ☐

EXTENSION

NO.

DATE

10 JUN 1981

TO: (Officer designation, room number, and building)

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COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1.

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2.

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C/P+B/G/MS

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6/18

LHF

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16 5/11/81

ODP-81-736
SAF-E399-81
10 June 1981

MEMORANDUM FOR: Comptroller/CIA

VIA : Chief, Planning, Management and Evaluation
Staff/NFAC

FROM :
Director, Consolidated SAFE Project Office/ODP

SUBJECT : Request for Supplemental Funding

REFERENCE : Memo for C/PMES/NFAC from C/PPAC/CSPO/ODP
Subject - FY-81 SAFE Budget Reprogramming Request
(SAF-E364-81, ODP-81-665), Dated - 22 May 1981

1. PURPOSE - Paragraph 4, below, requests that additional supplemental funding be allocated to the NFAC SAFE Budget.

2. BACKGROUND - The revised SAFE Project Funding Profile is shown as Attachment 1. The Project's FY-81 Budget allocation for the system development contract makes available which includes the previously approved \$3 million supplement (\$1.9 million from CIA and \$1.1 million from DIA).

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The Processor Interface Unit development and production effort, which is on the critical path of the system development schedule, has been identified as the major cause of the deficit. If supplemental funding is not made available a schedule slippage of six months to one year is anticipated for the Block 1 system delivery with attendant cost over-runs.

3. FUNDING REQUIREMENT - While the Project is adhering to the total Project funding limitation, a comparison of projected expenditures and budgeted funds indicates a funding deficit of \$920,000 for the remainder of FY 1981.

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This document becomes UNCLASSIFIED
when separated from attachment.

SUBJECT: Request for Supplemental Funding (SAF-E399-81)

STAT The total costs and fees currently projected for this contract in FY-81 is [REDACTED] The required increases are attributable to the following:

- o PIU Development and Production - The contractor's Financial Plan (Nov. 1980) allocated approximately \$300,000 in FY 1981 for TRW to develop and produce the Processor Interface Units that would allow computers to interact with the Wideband BUS Communications Subsystem. Following the selection of Burroughs as the ADP equipment vendor, to ensure compatibility with the ADP equipment and take advantage of Burroughs knowledge gained through their involvement in the NSA cryptographic component development activities, Burroughs was tasked with the PIU development and production effort. As a result, Burroughs estimates that \$1,150,000 rather than \$300,000 is needed in FY 1981, reflecting an underestimation of the task by TRW of approximately \$850,000. (Note that TRW's subsequent re-estimation of the task resulted in an even higher estimate).
- o Other Changes - Since the contractor's Financial Plan was submitted in November 1980, other changes include:
 - Increased Burroughs Training and Technical Support for TRW and CSPO -- 60,000
 - Repair of CIA WBCS Cable damaged by GSA subcontractor ----- 10,000

4. REQUESTED ACTION - It is requested that \$920,000 be allocated to NFAC's FY 1981 SAFE Budget as supplemental funding. This request is based on our assumed approval of the budget reprogramming request cited in the referent. Further, this funding is for SAFE development activities related directly to the CIA SAFE System. Therefore, no additional supplemental funding is being requested of DIA.

Attachment: As stated



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SUBJECT: Request for Supplemental Funding (SAF-E399-81)

Distribution:

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1 - C/PMES/NFAC
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CSPO/ODP, :mer (10 June 1981)

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Approved For Release 2003/12/18 : CIA-RDP84-00933R000500090007-3

Approved For Release 2003/12/18 : CIA-RDP84-00933R000500090007-3